1 - General Information

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Product Selection

The NHL-10 (Nokia 6600) is a Triple band transceiver unit designed for the GSM900 (including EGSM), GSM1800 and GSM1900 networks.

Figure 1: NHL-10 Phone

Product key features

Display and keypad

- Large high resolution TFT color display (176x208 pixels) with 65,536 colors
- Advanced 5-way Joystick, 2 Selection keys, Menu key, Edit key and Clear key
- State-of-the-art ribless numeric keymat, ITU layout

Hardware characteristics

- Tri-band GSM E900/1800 + 1900
- Internal antenna
- Speech codecs: HR, FR, EFR
- HSCSD: Multislot Class 6, 1+1, 2+2, 3+1 at 9.6 or 14.4 kbps, max DL=43.2kbps UL=28.8kbp
- GPRS: Multislot Class 6, 1+1, 2+2, 2+1, 3+1, class B, max DL=40.3kbps UL=26.8kbps
- Integrated VGA (640 x 480 pixels) camera with high quality lens
- 6 MByte internal user memory
- Memory card slot for additional user memory (3V MMC)
- Bluetooth and Infrared wireless connectivity

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- Plug and play bottom connector
- Internal vibrator
- Integrated handsfree speaker
- Plug-in SIM (1.8 and 3.0 V)
- Real time clock (NITZ)

UI features

Imaging

- Capture — Camera with 3 modes (Standard/Portrait/Night) and x2 Digital Zoom
  Video Recorder supporting QCIF(176x144) and subQCIF(128x96) sizes
- Share — Sending via IR, Bluetooth, MMS, e-mail
  Media Player
- Organize — Media Gallery
  Uploader

Messaging

- Multimedia Messaging with Presentations
- Concatenated SMS (MO/MT)
- Picture Messaging
- E-mail (SMTP, IMAP4, POP3)
- Instant Messaging (Wireless Village)
- T9 predictive text input

PIM

- Contacts with thumbnail images
- Calendar
- To-do list
- Notes
- Voice Recorder
- Calculator
- Clock
- Converter

Synchronization

- Local (using PC Suite)
  Data: Calendar, Contacts

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PC Applications: Microsoft Outlook (2000, 2002), Outlook Express, Lotus Organizer (5.0, 6.0), Lotus Notes (5.0/5.02/6.0)

- Remote (with SyncML server)

  Data: Calendar, Contacts

Phone

- GSM phase 2+ features
- Voice dialling
- Voice commands
- CPHS spec. (version 4.2)

Games

- Snake EX, Mix Pix

Java

- MIDP2.0 with Mobile Media API (JSR 135)
  Bluetooth API (JSR 82)
  Wireless Messaging API (JSR 120)

Browser

- WAP 2.0 xHTML browser

Personalization

- Themes
- SP-MIDI, True Tones

Location Based Services

- Cell broadcast
- MS Based E-OTD

M-Commerce

- Mobile Wallet 2.0

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NHL-10 Product and modules

Name	Type code	Material code / module type	Module code
Basic transceiver (Western)	NHL-10	0510442	
Basic transceiver (Chinese Taiwan)	NHL-10	0511108	
Basic transceiver (Chinese HK)	NHL-10	0510441	
Basic transceiver (Chinese Mainland)	NHL-10	0510444	
Engine Module	NH4		0201953
Mechanical Module	MNHL-10		0262915
SW Module (basic SW)			On Flash memory

Accessories

Accessories, Unit/type	Type des.	Code
Power:		
Travel Charger(multivoltage) Brazil/Portugal	ACP 12UB	0675293
Fast Travel Charger(Europlug) 100-240 Vac	ACP 12E	0675294
Travel Charger(multivoltage) Gradiente Brazil	ACP 12G	0675295
Fast Travel Charger(UKplug) multivoltage	ACP 12X	0675296
Fast Travel Charger(multivoltage) China	ACP 12C	0675297
Fast Travel Charger(multivoltage) Argentina	ACP 12AR	0675298
Fast Travel Charger(multivoltage) Australia	ACP 12A	0675300
Fast Travel Charger(USplug) 100-240 Vac	ACP 12U	0675303
Battery	BL-5C	0273558
Car:		
Plug-in HF Car Kit	PPH-1	0675182
Microphone	HFM-8	0690016
Headrest Handsfree	BHF-2	0694117
Wireless Car Kit (Sales pack)	CARK-112	0085192

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Accessories, Unit/type	Type des.	Code
English type label	HFW-1	0750135
Remote button	CUW-2	0694077
HF speaker	HFS-12	0692008
HF microphone	HFM-8	0690016
Mounting Plate	MKU-1	0620036
Wireless Car Kit	CK-1W	0080774
Mobile Charger	LCH-12	0675328
Mobile Holder	MBC-19	0650085
Audio:		
Headsets (English type label)	HDC-5	0694059
Headsets (Chinese type label)	HDC-5	0694072
Headsets	HDC-10	0694114
Headsets	HDE-2	0694075
Headsets	HDD-1	0694066
Boom Headset (Eur/Afr and APAC)	HDB-5	0694107
Boom Headset (Chinese)	HDB-5	0694110
Wireless Headsets	HDW-2	0274141
Wireless Headsets	HS-3W	0694135
Mobile Inductive Loopset	LPS-3	0630244
Data:		
Memory Unit	DTS-128	0630729
Imaging:		
Nokia Image Viewer	SU-2	0700084
Nokia Observation Camera		
Messaging:		
Nokia Digital Pen	SU-1B	0710000
Carrying:		
Carrying cases		

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Technical Specifications

General Specifications of Transceiver NHL-10

Unit	Dimension (mm)	Weight (g)	Volume (cc)
Transceiver with BL-5C 850mAh Li-Ion battery pack	108.6 x 58.2 x 23.7	120	113

Parameter	Unit
Cellular System	GSM900, EGSM900, GSM1800 and GSM1900
RX frequency band	EGSM: 925 – 935MHz GSM900: 935 – 960MHz GSM1800: 1805 – 1880MHz GSM1900: 1930 – 1990MHz
TX frequency band	EGSM: 880 – 890MHz GSM900: 890 – 915MHz GSM1800: 1710 – 1785MHz GSM1900: 1850 – 1910Mz
Output Power	GSM900: +5 … +33dBm/3.2mW … 2W GSM1800: +0 … +30dBm/1.0mW … 1W GSM1900: +0 … +30dBm/1.0mW … 1W
Number of RF channels	GSM900: 125 GSM1800: 375 GSM1900: 300
Channel pacing	200KHz
Number of TX power levels	GSM900: 15 GSM1800: 16 GSM1900: 16

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Battery endurance

Talk time	
Battery: BL-5C(850mAh), Single slot call	Up to 2 – 4 hours
Standby time	
Battery: BL-5C(850mAh), Single slot call	UP to 150 - 240 hours

Environmental conditions

Environmental condition	Ambient temperature	Notes
Normal operation	-15 ºC… +55 ºC	Specifications fulfilled
Reduced performance	+55 ºC… +70 ºC	Operational only for short periods
Intermittent operation	-40 ºC… -15 ºC and +70 ºC… +85º C	Operation not guaranteed but an attempt to operate will not damage the phone
No operation	-40 ºC… -15 ºC	Operation not guaranteed but an attempt to operate will not damage the phone
No operation or storage	<-40 ºC and >+85 ºC	No storage: An attempt may cause permanent damage
Charging allowed	-25 ºC… +50 ºC	
Long term storage conditions	0 ºC… +85 ºC	

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